

METHOD AND APPARATUS FOR TURBOMACHINE ACTIVE CLEARANCE CONTROL

ABSTRACT OF THE DISCLOSURE

[0044] An apparatus for providing active clearance control between blade tips and seals in a turbomachine comprising: a first stator carrier segment, with stator seals centripetally disposed on it; a second stator carrier segment located along a same circumference as the first stator carrier segment, also with stator seals centripetally disposed on it; a shell that adjustably houses the first stator carrier segment and the second carrier segment; at least one displacement apparatus in operable communication with at least one stator carrier segment and configured to position the at least one stator carrier segment to provide active clearance control to the stator seals disposed on the at least one stator carrier segment.